What is claimed is:

1. An array storage system comprising a shelf defining a tubular closed passage with a frontend opening and a backend opening, a frontend partition adapted for supporting a first component inserted in the frontend, a removable backend partition adapted for supporting a second component inserted in the backend, and a removable backplane support adapted for operably supporting a backplane in electrical connection with the first and second components.

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- 2. The array storage system of claim 1 wherein the removable backend partition comprises the backplane support.
- 3. The array storage system of claim 1 wherein the first component is a multiple disc array.

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4. The array storage system of claim 3 wherein the frontend partition is adapted for supporting a third component different than the multiple disc array.

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5. The array storage system of claim 4 wherein the third component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.

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6. The array storage system of claim 1 wherein the second component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.

adapted for supporting a fourth component different than the second component.

7. The array storage system of claim 6 wherein the backend partition is

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8. The array storage system of claim 7 wherein the fourth component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.

- 9. A shelf defining a tubular closed passage with a frontend opening and a backend opening, a frontend partition adapted for supporting a first component inserted in the frontend, a removable backend partition adapted for supporting a second component inserted in the backend, and a removable backplane support adapted for operably supporting a backplane in electrical connection with the first and second components.
- 10. The shelf of claim 9 wherein the removable backend partition comprises the backplane support.
- 11. The shelf of claim 9 wherein the first component comprises a multiple disc array.
- 12. The shelf of claim 11 wherein the frontend partition is adapted for supporting a third component different than the multiple disc array.
- 13. The shelf of claim 12 wherein the third component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.
- 14. The shelf of claim 9 wherein the second component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.
- 15. The shelf of claim 14 wherein the backend partition is adapted for supporting a fourth component different than the second component.
- 16. The array storage system of claim 15 wherein the fourth component comprises a component selected from a group consisting of a data storage device controller, a power supply unit, an interface unit, and a battery unit.

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17. A method for electrically connecting components comprising:
providing a shelf defining a tubular closed passage with a frontend opening
and a backend opening, and a frontend partition adapted for supporting
a first component inserted in the frontend opening,
attaching a backplane to a backplane support;

removably inserting the backplane support in the backend opening; inserting a removable backend partition adapted for supporting a second component inserted in the backend;

inserting the first component in the frontend opening to electrically engage the backplane; and

inserting the second component in the backend opening to electrically engage the backplane.

18. The method of claim 17 further comprising:

removing the second component from the backend opening; removing the backend partition from the backend opening; removing the backplane;

removably inserting a replacement backplane through the backend opening; replacing the backend partition through the backend opening; and replacing the second component in the backend opening.

19. The method of claim 17 wherein the removably inserting the backplane support step and the inserting a removable backend partition steps comprise providing a backend partition comprising the backplane support.

20. The method of claim 18 wherein the removably inserting a replacement backplane comprises inserting and attaching a characteristically different backplane.

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